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Water-Data Report NV-2005

**103367592 EAGLE ROCK CREEK NEAR STATELINE, NV**

TRUCKEE RIVER BASIN, LAKE TAHOE

LOCATION.--Lat 38°57'24", long 119°55'36" referenced to North American Datum of 1927, in NE ¼ SW ¼ sec.26, T.13 N., R.18 E., Douglas County, Hydrologic Unit 16050101, on right bank, 0.2 mi upstream from confluence of Edgewood Creek, and 0.8 mi east of Stateline.

DRAINAGE AREA.--0.63 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--Nov 1989 to Sep 2000, Aug 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,480 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4.0 ft<sup>3</sup>/s, Jan 2, 1997, gage height, 5.68 ft; maximum gage height 6.22 ft, Dec 17, 2002, backwater from ice; minimum daily, 0.19 ft<sup>3</sup>/s, Sep 16-25, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1.8 ft<sup>3</sup>/s, Apr 29 and May 3, gage height, 5.72 ft; minimum daily discharge, 0.48 ft<sup>3</sup>/s, Oct 6, 7, 8.

**103367592 EAGLE ROCK CREEK NEAR STATELINE, NV—Continued**

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**  
[*e*, estimated]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.50	0.72	e0.80	e0.80	e0.80	0.79	0.88	1.6	1.1	0.98	0.94	0.74
<b>2</b>	0.50	0.73	0.83	e0.80	e0.80	0.79	0.91	1.6	1.1	0.95	0.94	0.72
<b>3</b>	0.50	0.76	0.79	e0.80	e0.80	0.81	0.91	1.7	1.1	0.95	0.93	0.72
<b>4</b>	0.50	0.79	0.79	e0.80	e0.80	0.83	0.91	1.7	1.0	0.95	0.91	0.72
<b>5</b>	0.49	0.78	0.79	e0.80	e0.80	0.81	0.92	1.7	0.99	0.95	0.91	0.72
<b>6</b>	0.48	0.75	e0.80	e0.80	e0.80	0.79	0.99	1.6	1.00	0.95	0.91	0.72
<b>7</b>	0.48	0.71	e0.80	e0.80	e0.80	0.80	1.0	1.7	1.0	0.94	0.91	0.72
<b>8</b>	0.48	0.70	e0.80	e0.80	e0.80	0.83	1.00	1.6	1.0	0.93	0.91	0.72
<b>9</b>	0.50	0.70	e0.80	e0.80	e0.80	0.83	0.94	1.5	1.0	0.91	0.91	0.72
<b>10</b>	0.55	0.70	e0.80	e0.80	e0.80	0.87	0.91	1.4	1.00	0.91	0.93	0.72
<b>11</b>	0.54	0.70	e0.80	e0.80	e0.80	0.90	0.95	1.4	1.00	0.91	0.95	0.72
<b>12</b>	0.52	0.69	e0.80	e0.80	e0.80	0.93	1.0	1.4	0.97	0.89	0.95	0.72
<b>13</b>	0.52	0.69	e0.80	e0.80	e0.80	0.92	1.00	1.5	0.95	0.87	0.95	0.73
<b>14</b>	0.52	0.69	e0.80	e0.80	e0.80	0.91	1.00	1.5	0.95	0.87	0.95	0.74
<b>15</b>	0.52	0.69	e0.80	e0.80	e0.80	0.87	1.0	1.5	0.94	0.88	0.87	0.72
<b>16</b>	0.52	0.66	e0.80	e0.80	e0.80	0.87	1.2	1.6	0.94	0.89	0.79	0.72
<b>17</b>	0.57	0.64	e0.80	e0.80	e0.80	0.87	1.3	1.5	0.98	0.92	0.79	0.72
<b>18</b>	0.59	0.63	e0.80	e0.80	e0.80	0.87	1.3	1.4	0.95	0.91	0.79	0.72
<b>19</b>	0.59	0.63	e0.80	e0.80	e0.80	0.87	1.3	1.3	0.98	0.91	0.78	0.72
<b>20</b>	0.64	0.66	e0.80	e0.80	e0.80	0.82	1.3	1.3	0.98	0.95	0.79	0.72
<b>21</b>	0.63	e0.66	e0.80	e0.80	e0.80	0.79	1.4	1.3	0.95	0.93	0.77	0.76
<b>22</b>	0.63	e0.60	e0.80	e0.80	e0.80	0.85	1.4	1.3	0.95	0.94	0.75	0.77
<b>23</b>	0.64	0.69	e0.80	e0.80	e0.80	0.85	1.4	1.3	0.95	0.95	0.75	0.79
<b>24</b>	0.66	0.66	e0.80	e0.80	e0.80	0.83	1.4	1.2	0.97	0.95	0.74	0.79
<b>25</b>	0.62	0.68	e0.80	e0.80	e0.80	0.83	1.4	1.2	1.00	0.95	0.72	0.79
<b>26</b>	0.68	0.69	e0.80	e0.80	e0.80	0.83	1.5	1.2	0.97	0.98	0.72	0.80
<b>27</b>	0.69	0.74	e0.80	e0.80	e0.80	0.80	0.84	1.6	1.1	0.93	0.97	0.72
<b>28</b>	0.67	e0.73	e0.80	e0.80	e0.80	0.81	0.87	1.6	1.1	0.92	0.95	0.72
<b>29</b>	0.67	e0.76	e0.80	e0.80	---	0.89	1.7	1.1	0.99	0.97	0.72	0.87
<b>30</b>	0.69	e0.79	e0.80	e0.80	---	0.88	1.7	1.1	1.00	0.95	0.75	0.89
<b>31</b>	0.70	---	e0.80	e0.80	---	0.87	---	1.1	---	0.96	0.75	---
<b>Total</b>	17.79	21.02	24.80	24.80	22.41	26.31	35.82	43.5	29.56	28.92	25.92	22.67
<b>Mean</b>	0.57	0.70	0.80	0.80	0.80	0.85	1.19	1.40	0.99	0.93	0.84	0.76
<b>Max</b>	0.70	0.79	0.83	0.80	0.81	0.93	1.7	1.7	1.1	0.98	0.95	0.89
<b>Min</b>	0.48	0.60	0.79	0.80	0.80	0.79	0.88	1.1	0.92	0.87	0.72	0.72
<b>Ac-ft</b>	35	42	49	49	44	52	71	86	59	57	51	45

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	0.77	0.79	0.77	0.82	0.82	0.86	0.93	0.88	0.74	0.68	0.69	0.72
<b>Max</b>	1.51	1.45	1.47	1.72	1.50	1.49	1.52	1.53	1.28	1.25	1.38	1.50
(WY)	(1998)	(2000)	(2000)	(1997)	(1997)	(1997)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)
<b>Min</b>	0.26	0.27	0.29	0.26	0.29	0.39	0.37	0.29	0.25	0.25	0.26	0.21
(WY)	(1993)	(1993)	(1993)	(1992)	(1993)	(1991)	(1992)	(1992)	(1992)	(1993)	(1994)	(1991)

**103367592 EAGLE ROCK CREEK NEAR STATELINE, NV—Continued****SUMMARY STATISTICS**

	<b>Calendar Year 2004</b>		<b>Water Year 2005</b>		<b>Water Years 1990 - 2005</b>	
<b>Annual total</b>	241.81		323.52			
<b>Annual mean</b>	0.66		0.89		0.81	
<b>Highest annual mean</b>					1.42	1999
<b>Lowest annual mean</b>					0.31	1992
<b>Highest daily mean</b>	1.0	Apr 5	1.7	Apr 29	3.6	Jan 2, 1997
<b>Lowest daily mean</b>	0.42	Aug 6	0.48	Oct 6	0.19	Sep 16, 1991
<b>Annual seven-day minimum</b>	0.42	Aug 6	0.49	Oct 2	0.19	Sep 16, 1991
<b>Maximum peak flow</b>			1.8	Apr 30	4.0	Jan 2, 1997
<b>Maximum peak stage</b>			5.72	Apr 30	6.22	Dec 17, 2002
<b>Annual runoff (ac-ft)</b>	480		642		589	
<b>10 percent exceeds</b>	0.87		1.3		1.4	
<b>50 percent exceeds</b>	0.68		0.80		0.73	
<b>90 percent exceeds</b>	0.44		0.68		0.28	

**103367592 EAGLE ROCK CREEK NEAR STATELINE, NV—Continued**

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1990 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Mar to Sep 2003.

INSTRUMENTATION.--Water temperature recorder Mar to Sep 2003, two times per hour.

REMARKS.--In Nov 1989, station was incorporated into the expanded Lake Tahoe Interagency Monitoring Program to monitor tributary contributions of nutrients and sediment to Lake Tahoe. Nutrient samples were analyzed by the University of California, Davis, Tahoe Research Group. Quality assurance samples associated with the entire Lake Tahoe Interagency Monitoring Program are listed under station numbers 103366769999 and 103367309999. Hydrazine method used to determine nitrate plus nitrite concentrations (00630, 00631) was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 14.0°C, Jul 21, 2003; minimum, freezing point on several days in Mar and Apr, 2003.

## 103367592 EAGLE ROCK CREEK NEAR STATELINE, NV—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 1 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Sample type	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia	
							+ org-N, water, mg/L (00623)				+ org-N, water, mg/L (00625)	
Oct 08...	1225	Environmental	.48	--	--	--	--	55	22.5	7.0	<.04	.11
Nov 03...	1445	Environmental	.75	--	--	--	--	53	-.5	3.3	.06	.20
Dec 10...	1100	Environmental	E.80	610	10.5	97	7.2	53	3.0	2.8	.04	.09
Jan 06...	1505	Environmental	E.80	--	--	--	--	52	-3.5	2.3	.05	.11
Feb 03...	1300	Environmental	E.80	--	--	--	--	53	6.0	2.6	.07	.08
Mar 05...	1450	Environmental	.83	606	10.4	98	7.7	54	7.0	3.1	.04	.08
07...	1620	Environmental	.79	--	--	--	--	56	2.5	3.2	.05	.12
Apr 05...	1305	Environmental	.91	--	--	--	--	57	8.0	3.5	.05	.13
16...	1235	Environmental	1.1	--	--	--	--	59	11.5	4.3	.07	.15
22...	1450	Environmental	1.4	--	--	--	--	58	10.5	4.5	.10	.36
28...	1330	Environmental	1.6	--	--	--	--	61	4.5	3.7	.11	.12
May 02...	1420	Environmental	1.6	--	--	--	--	59	10.5	5.6	.13	.44
04...	1605	Environmental	1.6	--	--	--	--	59	12.5	5.5	.12	.25
09...	1310	Environmental	1.5	--	--	--	--	59	1.0	3.4	.09	.33
12...	1610	Environmental	1.4	--	--	--	--	59	13.0	6.5	.12	.34
16...	1815	Environmental	1.6	--	--	--	--	61	4.0	4.7	.27	.28
19...	1645	Environmental	1.3	--	--	--	--	61	10.5	7.1	.14	.17
23...	1450	Environmental	1.3	--	--	--	--	62	18.5	9.4	.13	.15
25...	1550	Environmental	1.2	--	--	--	--	62	20.0	9.7	.08	.13
Jun 01...	1120	Environmental	1.1	--	--	--	--	61	18.0	8.0	.07	.19
09...	1800	Environmental	1.0	603	9.2	98	7.7	60	11.5	7.9	.08	.26
20...	1120	Environmental	1.0	--	--	--	--	59	16.5	7.0	.07	.10
Jul 05...	1230	Environmental	.95	--	--	--	--	59	26.0	9.4	.05	.09
Aug 05...	1410	Environmental	.91	--	--	--	--	57	22.0	10.6	.05	.10
05...	1415	Replicate	--	--	--	--	--	--	--	--	.05	.08
Sep 13...	1745	Environmental	.72	605	9.8	101	7.9	56	14.5	6.8	.05	.06

## 103367592 EAGLE ROCK CREEK NEAR STATELINE, NV—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 2 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Ammonia water, filtrd, mg/L (00608)	Ammonia water, unfiltrd mg/L (00610)	Nitrite + nitrate water mg/L (00631)	Nitrite + nitrate water mg/L (00630)	Ortho-phosphate, water, filtrd, mg/L (00671)	Ortho-phosphate, water, unfiltrd, mg/L (70507)	Phosphorus, water, filtrd, mg/L (00666)	Phosphorus, water, unfiltrd, mg/L (00665)	Iron (bio) reactive), water, filtrd, ug/L (63673)	Iron (bio) reactive), water, unfiltrd, ug/L (46568)	Suspnd. sediment, sieve diameter <.063mm (70331)	Sus-pended sediment concentration mg/L (80154)	Sus-pended sediment dis-charge, tons/d (80155)	
Oct 08...	.003	.006	.028	.029	.015	.020	.021	.035	38	233	--	6	.01	
Nov 03...	.004	.008	.026	.026	.015	.020	.032	.050	39	193	--	7	.01	
Dec 10...	.003	.009	.047	.048	.018	.020	.025	.031	43	187	--	6	E.01	
Jan 06...	.003	.009	.050	.054	.013	.020	.024	.035	38	163	--	4	E.01	
Feb 03...	.004	.007	.067	.067	.018	.021	.024	.039	45	218	--	6	E.01	
Mar 05...	.004	.007	.063	.067	.018	.022	.024	.044	54	--	--	5	.01	
	07...	.004	.007	.062	.064	.018	.024	.025	.041	37	--	--	11	.02
Apr 05...	<.003	.004	.087	.090	.017	.021	.025	.039	80	--	--	9	.02	
	16...	.003	.005	.124	.133	.018	.024	.024	.040	107	504	--	24	.07
	22...	.004	.005	.241	.242	.020	.034	.031	.082	135	1,060	22	31	.12
	28...	.005	.006	.314	.313	.020	.028	.029	.055	150	586	--	20	.09
May 02...	.003	--	.351	.361	.022	.039	.030	.076	144	1,470	--	41	.18	
	04...	.003	.007	.400	.404	.023	.041	.031	.077	130	1,620	28	47	.20
	09...	.003	.005	.386	.395	.024	.034	.034	.055	--	812	--	21	.09
	12...	.005	.007	.396	.440	.023	.043	.038	.089	--	1,800	22	103	.39
	16...	.004	.006	.455	.467	.027	.028	.045	.072	--	904	--	29	.13
	19...	.003	.006	.410	.482	.023	.032	.047	.057	139	528	--	23	.08
	23...	.003	.007	.401	.410	.021	.027	.035	.051	88	419	--	11	.04
	25...	.004	.008	.319	.324	.020	.025	.033	.049	88	388	--	18	.06
Jun 01...	.004	.007	.213	.247	.017	.023	.025	.051	73	426	--	16	.05	
	09...	.003	.006	.128	.135	.017	.020	.040	.045	57	319	--	7	.02
	20...	.003	.006	.085	.123	.015	.018	.022	.034	66	270	--	--	--
Jul 05...	.003	.005	.051	.052	.015	.019	.024	.032	58	293	--	7	.02	
Aug 05...	<.003	.006	.025	.029	.016	.019	.021	.030	40	252	--	6	.01	
	05...	.003	.006	.024	.028	.016	.019	.020	.034	41	258	--	--	--
Sep 13...	.003	.006	.025	.026	.015	.022	.021	.032	31	230	--	6	.01	